

5 A PROCESS FOR PREPARING A BRANCHED OLEFIN,
A METHOD OF USING THE BRANCHED OLEFIN FOR MAKING
A SURFACTANT, AND A SURFACTANT

Abstract of the Disclosure

10 A process for preparing branched olefins comprising
0.5% or less quaternary aliphatic carbon atoms, which
process comprises dehydrogenating an isoparaaffinic
composition over a suitable catalyst which isoparaaffinic
composition comprises paraffins having a carbon number in
15 the range of from 7 to 35, of which paraffins at least a
portion of the molecules is branched, the average number of
branches per paraffin molecule being at least 0.7 and the
branching comprising methyl and optionally ethyl branches,
and which isoparaaffinic composition may be obtained by
20 hydrocracking and hydroisomerization of a paraaffinic wax; a
method of using olefins for making an anionic surfactant, a
nonionic surfactant or a cationic surfactant, in particular
a surfactant sulfate or sulfonate, comprising converting
the branched olefins into the surfactant; and an anionic
25 surfactant, a nonionic surfactant or a cationic surfactant
which is obtainable by the method of use.